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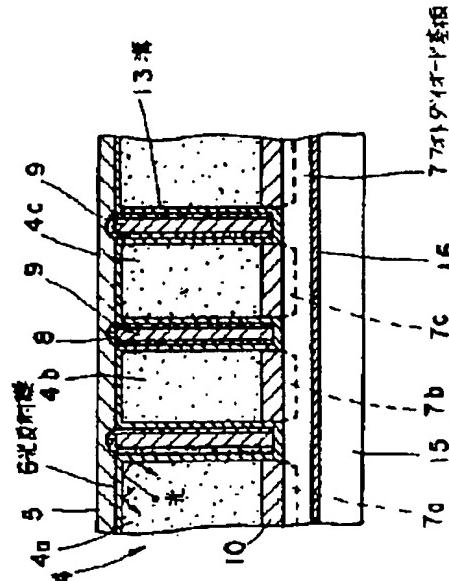
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TITLE : RADIATION DETECTOR



ABSTRACT : PURPOSE: To prevent a crosstalk generated between scintillator elements by covering the surfaces of the elements with a light reflecting film, and providing a spacer through the film.

CONSTITUTION: A plurality of scintillator elements 4a, 4b, 4c,..., are disposed correspondingly on sensitive parts 7a, 7b, 7c of a board 7 through adhesive 10. A light reflecting film 6 coating the elements 4a, 4b, 4c,... is formed, for example, of aluminum. Grooves 13 are formed among the elements 4a, 4b, 4c,..., spacers 9 are inserted to the grooves 13, and stuck to the film 6 through the adhesive 8. The elements are coated with light reflector 5. Thus, even if lights generated from the elements are reflected at random therein, they are blocked by the film, and hence not leaked externally. Accordingly, since the light is not leaked between the adjacent elements, a crosstalk is prevented.

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